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Operating Manual

Bathroom Balance

KERN MGB

Version 1.0

08/2008

GB



MGB-BA-e-0810



KERN MGB 150K100

Version 1.0 08/2008

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1 Technical Data

KERN	MGB 150K100
<i>Readability (d)</i>	0.1 kg
<i>Weighing range (max)</i>	150 kg
<i>Weighing Units</i>	kg, lb
<i>Accuracy</i>	+ - 0.5% +- 0.1kg
<i>Electric Supply</i>	Battery operated 1 x CR2032 (3V)
<i>Battery service life</i>	5 years at 3 weighings daily
<i>Auto Off</i>	after 6 seconds
<i>Operating temperature</i>	+ 5°C ... + 35°C
<i>Storage temperature</i>	- 10°C ... + 60°C
<i>Humidity of air</i>	max. 80 % (not condensing)
<i>Housing (B x D x H) mm</i>	290 x 290 x 40
<i>Weight kg (net)</i>	2.1

2 Basic Information (General)

2.1 Proper use

These balance is used to calculate the weight of people in the private sphere.

Utilisation of this balance in the medical field is not permissible.

The weighing process requires that the person stands on the weighing plate in a way that provides even weight distribution over the entire weighing plate. As soon as a stable weighing value is reached the weighing value can be read.

2.2 Improper Use

Do not use balance for dynamic weighings. The removal or addition of small amounts of load may result in the display of inaccurate weighing results! (Example: Slowly draining fluids from a container on the balance.)

Do not leave permanent load on the weighing plate. This may damage the measuring system.

Take care to avoid impacts and overloading of balance above the specified maximum load (max) under all circumstances. This could cause damage to the balance.

Never operate balance in explosive environment. The serial version is not explosion protected.

The structure of the balance may not be modified. This may lead to incorrect weighing results, safety-related faults and destruction of the balance.

The balance may only be used according to the described conditions. Other areas of use must be released by KERN in writing.

2.3 Warranty

Warranty claims shall be voided in case

- Our conditions in the operation manual are ignored
- The appliance is used outside the described uses
- The appliance is modified or opened
- Mechanical damage and damage caused by media, liquids
- Natural wear and tear
- The appliance is improperly set up or incorrectly electrically connected
- The measuring system is overloaded
- Dropping the balance

3 Basic Safety Precautions

3.1 Pay attention to the instructions in the Operation Manual

Caution: There is a danger of slipping when stepping on the glass weighing plate. If required, stick the self-adhesive rubber strips included in the delivery to the weighing plate.

Stepping on the edge of the weighing plate may cause tilting of balance or fall of person.

Carefully read this operation manual before setup and commissioning, even if you are already familiar with KERN balances.

4 Transportation & Storage

4.1 Testing upon acceptance

When receiving the appliance, please check packaging immediately, and the appliance itself when unpacking for possible visible damage.

4.2 Packaging

Keep all parts of the original packaging in case you need to return the appliance. Only use original packaging for returning.

5 Unpacking, Setup and Commissioning

5.1 Installation Site, Location of Use

The balances are designed in a way that reliable weighing results are achieved in common conditions of use.

You will work accurately and fast, if you select the right location for your balance.

Therefore, observe the following for the installation site:

- Place the balance on a firm, level surface;
- Avoid extreme heat as well as temperature fluctuation caused by installing next to a radiator or in the direct sunlight;
- Protect the balance against direct draughts due to open windows and doors;
- Avoid jarring during weighing;
- Protect the balance against high humidity, vapours and dust;
- Do not expose the device to extreme dampness for longer periods of time. Non-permitted condensation (condensation of air humidity on the appliance) may occur if a cold appliance is taken to a considerably warmer environment. In this case, acclimatize the appliance for ca. 2 hours at room temperature.
- Avoid static charge of the balance and of the person to be weighed.
- Avoid contact with water.

If electro-magnetic fields or static charge occur, or if the power supply is unstable major deviations on the display (incorrect weighing results) are possible. In that case, the location must be changed.

5.2 Unpacking

Take the whole balance out of their packaging and place them at the intended position.

In addition to the balance, delivery also includes the operating instructions and a battery.

5.3 Battery operation (insertion and removal)

To insert your battery, open the battery compartment at the rear of the balance (by unscrewing the cover with the help of a coin) and insert a 3V lithium battery (CR2032) in the correct direction of the pole, then close the battery compartment. (Put on cover and turn it in reverse direction of the arrow until the cover locks)

If the balance is not used for a longer time, take out the batteries and store them separately. Leaking battery liquid could damage the balance.

In as-delivered condition a paper strip is inserted under the battery contact in order to prevent switching on during transport. You will have to remove this strip before initial use by removing the inserted battery.

6 Using the balance

You can change the balance' weighing unit from "**kg**" to "**lb**" at the rear of the balance.

To turn on the balance, tap the glass plate briefly with your foot.

The display briefly shows " - - - - " several times, followed by **0.0 kg** and **0.0 lb** respectively.

The weighing process requires that the person stands on the weighing plate in a way that provides even weight distribution over the entire weighing plate.

„ - - - - “ flashes several times on the display.

After reaching a stable weighing value, the latter will be displayed and can be read.

After determining the weighing value, the latter will be visible on the display for another 6 seconds before the balance switch off automatically.

Notice: The typical weight of a person will vary over the day, and equally from one day to the next. Minor weight variations are considered normal.

7 Error message

Messages can be displayed when the balance are switched on or in operation:

- E: The maximum weighing range of the balance was exceeded.
 Unload weighing plate.

- - - - The person present on the weighing plate is not standing quietly. The
 weighing value will be displayed as soon as the person stands quietly.

- Lo : Battery is empty, please replace.

8 Service, maintenance, disposal

8.1 Cleaning

Do not use aggressive cleaning agents (solvents or similar) but only a damp cloth with mild soapsuds, or household cleaner. Ensure that no liquid gets inside the unit and rub with a soft, dry cloth.

Loose dirt can be removed carefully with a brush or hand-held vacuum cleaner.

Balance must not be tilted or rotated for cleaning, as damage may occur.

Remove dirt immediately.

8.2 Service, maintenance

The appliance may only be opened by trained service technicians who are authorized by KERN.

8.3 Disposal

Disposal of packaging and appliance must be carried out by operator according to valid national or regional law of the location where the appliance is used.

9 Instant help

In case of a fault in the program sequence, the balance should be shortly switched off. The weighing process must then be restarted from the beginning.

Help:

Fault

Possible cause

The displayed weight does not glow.

- *The balance is not switched on.*
- *Battery is inserted incorrectly or is empty.*
- *No batteries inserted.*

The displayed weight is permanently changing

- *Draught/air movement*
- *Table/floor vibrations*
- *The weighing plate is in contact with foreign bodies or is not correctly positioned.*
- *Electromagnetic fields / static charging (choose different location/switch off interfering device if possible)*

The weighing result is obviously incorrect

- *The display of the balance is not at zero*
- *Adjustment is no longer correct.*
- *Great fluctuations in temperature.*
- *Electromagnetic fields / static charging (choose different location/switch off interfering device if possible)*

Should other error messages occur, switch balance off and then on again. If the error message remains inform manufacturer.